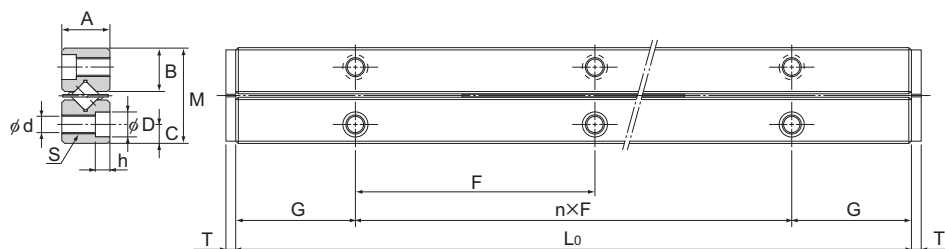


Cross-Roller Guide Model VR (VR3)



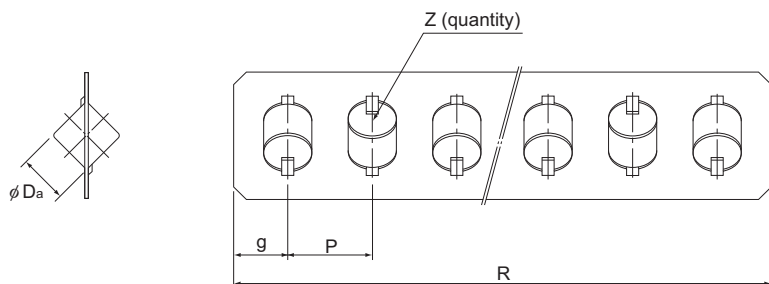
Model No.	Maximum stroke	Main								
		Combined dimensions			Mounting					
		M	A	L ₀	n × F	G	B	C	S	d
VR 3- 50 × 7Z	28	18	8	50	1 × 25	12.5	8.3	3.5	M4	3.3
VR 3- 75 × 10Z	48			75	2 × 25					
VR 3-100 × 14Z	58			100	3 × 25					
VR 3-125 × 17Z	78			125	4 × 25					
VR 3-150 × 21Z	88			150	5 × 25					
VR 3-175 × 24Z	108			175	6 × 25					
VR 3-200 × 28Z	118			200	7 × 25					
VR 3-225 × 31Z	138			225	8 × 25					
VR 3-250 × 35Z	148			250	9 × 25					
VR 3-275 × 38Z	168			275	10 × 25					
VR 3-300 × 42Z	178			300	11 × 25					

Model number coding

VR3 -75 H × 9Z

Number of rollers or balls
Accuracy symbol
Dedicated rail dimension in mm
(example of indication for a combination of different overall lengths: 100/125)
Combined model number (for Ball Guide: VB)

Note) "One set" in the model No. above indicates a combination of four rails and two cages.



Unit: mm

dimensions									Permissible preload δ μm	Basic load rating (per roller)		Mass (rail) kg/m
dimensions								No. of rollers Z		C_z kN	C_{0z} kN	
	D	h	T	D _a	R	g	P		Z			
	6	3.1	2	3	36	3	5	7	-4	0.639	0.611	0.45
					51			10				
					71			14				
					86			17				
					106			21				
					121			24				
					141			28				
					156			31				
					176			35				
					191			38				
					211			42				

Note) When desiring a Ball Guide in combination with a ball cage, refer to **A7-26** on Ball Cage Model B and indicate the required number of balls.

(Example) VB3-150H x 20Z

Number of balls

The mass in the table indicates the value per rail/m.

Stainless steel type with high corrosion resistance is also available. (symbol M, e.g., VR3M)